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333 EARLE OVINGTON BOULEVARD SUITE 701			BOAKYE, AL	KYE, ALEXANDER O	
UNIONDALE,	NY 11553		ART UNIT	PAPER NUMBER	
			2616		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

SY

	Application No.	Applicant(s)				
	10/808,752	LEE ET AL.				
Office Action Summary	Examiner	Art Unit				
•	ALEXANDER BOAKYE	2616				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 25 M	arch 2004.					
2a) This action is FINAL . 2b) ⊠ This	action is non-final.					
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-24 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the I drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 03/07/05.	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by admitted prior art of Figure 1.

Regarding claim 1, the admitted prior art of Figure 1 teaches a method for providing a user with traffic information (Fig.1), comprising the steps of: -a) a plurality of vehicles (10,11,12,16 and 19) broadcasting their registration messages (column 2, lines 1-5); b) creating an ad-hoc network between vehicles on the basis of registration messages broadcast by the vehicles (column1, lines 15-28);c) at least one Road Side Equipment (RSE)(20, 25, 30) receiving the registration messages broadcast by the vehicles, and collecting traffic information included in the registration messages(column 2, lines 6-11);

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and d) the RSE (20, 25, 30) transmitting the traffic information to a traffic information service center (column 2, lines 2-5; 40 of Fig. 1 corresponds to the claimed traffic information service center).

Regarding claim 2, the admitted prior art of figure 1 teaches that the registration messages include vehicle motion information (column 2, lines 2-5).

Regarding claim 3, the admitted prior art of figure 1 teaches that the RSE (20,25,30 of Figure 1) broadcasting Identifier (ID) and position information of the RSE (220, 25, 30) to the vehicles (10,11,12,16 and 19); and enabling the RSE to be contained in the ad-hoc network (Fig.1).

Regarding claim 4, the admitted prior art of figure 1 teaches b1) the vehicles broadcasting warning messages over the ad-hoc network (column 1,lines 15-28); and b2) the RSE receiving the warning messages and collecting traffic information included in the warning messages (column 2,lines 6-11).

Regarding claim 5, the admitted prior art of figure 1 teaches e) the traffic information service center transferring the traffic information to other RSEs (column 1, lines 23-28); and f) the other RSEs transferring the traffic information to nearby vehicles over the ad-hoc network (column 2,lines 6-11).

Regarding claim 6, the admitted prior art of figure 1 teaches a method

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for at least one Road Side Equipment (RSE) creating an ad-hoc network between the RSE and a plurality of vehicles (10,11,12,16 and 19) to collect traffic information, comprising the steps of: a) vehicles (10,11,12,16 and 19) broadcasting their registration messages, and receiving the registration messages at the RSE (column 2, lines 6-11); b) registering the registration messages to a node management table and creating the ad-hoc network between the RSE (20, 25, 30) and the vehicles (10,11,12,16 and 19); and c) collecting traffic information from the registration messages and transferring the collected traffic information to the traffic information service center (column 2, lines 6-11; 40 of Fig. 1 corresponds to the claimed traffic information service center).

Claim 7 is met as previously discussed with respect to claim 2.

Regarding claim 8, the prior art of record teaches that the step (b) includes the steps of: b1) the RSE (20,25,30) broadcasting a registration message having Identifier (ID) and position information of the RSE (20,25,30) to the vehicles (10,11,12,16 and 19).

Regarding claim 9, the admitted prior art of figure 1 teaches the steps of: d) the RSE receiving warning messages broadcast from the vehicles over the ad-hoc network (column 2,lines 6-11); e) the RSE (20, 25,30) transferring the warning message to the traffic information service center (40).

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Regarding claim 10, the admitted prior art of figure 1 teaches a for providing a user with traffic information, comprising the steps of: a) vehicles broadcasting their registration messages (--); b) the RSE (20, 25, 30) receiving the registration messages and forming an ad-hoc network associated with the vehicles on the basis of the registration messages (column 2, lines 1-5); and c) the RSE receiving traffic information from a traffic information service center and transferring the traffic information to the vehicles contained in the ad-hoc network ().

Claim 11 is met as previously discussed with respect to claim 2.

Regarding claim 12, the admitted prior art of figure 1 teaches that step (b) includes the steps of: b 1) the RSE (20, 25, 30) broadcasting a registration message of the RSE (20, 25,30 of Fig.1) to the vehicles (10,11,12,16 and 19 of Fig.1); and b2) the vehicles (10,11,12,16 and 19) receiving the registration message of the RSE (20, 25, 30 of Fig.1).

Regarding claim 13, the admitted prior art of figure 1 teaches an apparatus for providing a user with traffic information, comprising: a plurality of vehicles (10,11,12,16 and 19) broadcasting their registration messages and creating the ad-hoc network on the basis of the registration messages (column 2, lines 1-5); at least one Road Side Equipment (RSE) for receiving the registration messages broadcast from the vehicles and collecting traffic

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information from the registration messages (column 2, lines 6-11); and a traffic information service center (40, Fig.1) for receiving the traffic information from the RSE (column 2, lines 2-5).

Regarding claim 14, the admitted prior art of figure 1 teaches that the RSE (20,25,30 of Fig.1) broadcasts a registration message having its own position information to the vehicles (10, 11,12,16 and 19) and participates in the ad-hoc network.

Regarding claim 15, the admitted prior art of figure 1 teaches a Road Side Equipment (RSE) apparatus (Fig. 1) for collecting traffic information from a plurality of vehicles (10,11,12,16 and 19), and transferring the collected traffic information to the traffic information service center (40 of Fig.1) in a system for providing a user with traffic information, said RSE apparatus (Fig.1) comprising: a Radio Frequency (RF) unit (the claimed RF unit is contained in the vehicles) for receiving registration messages broadcast from the vehicles and broadcasting a registration message of the RSE (column 2, lines 2-5); a controller for creating an ad-hoc network associated with the vehicles (10,11,12,16 and 19) on the basis of the registration messages of the vehicles and generating traffic information from the registration messages (column 2, lines 2-5); and a communication interface (20, 25, 30) for transferring the traffic information to the traffic information service center (40, Fig. 1).

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Regarding claim 16, the admitted prior art of figure 1 teaches that the controller (the claimed controller is inherent in the vehicles 10,11,12,16 and 19) registers the registration messages of the vehicles to a node management table (the claimed node management table is inherent in the vehicles).

Regarding claim 17, the prior art of figure 1 teaches that the RF unit receives warning messages broadcast from the vehicles over the ad-hoc network, and the controller creates the traffic information by referring to the warning messages (column 2, lines 1-5).

Regarding claim 18, the admitted prior art of figure 1 teaches that the communication interface receives traffic information from the traffic information service center (40), and the controller transfers the traffic information received from the traffic information service center (40) to the vehicles (10,11,12,16 and 19) contained in the ad-hoc network.

Regarding claim 19, the prior art of figure 1 teaches a position information receiver (the position receiver is inherent in the vehicles) for detecting position and time information of the RSE (column 2, lines 6-11).

Regarding claim 20, the prior art of record teaches that the vehicle is selected from a car (column 1,lines 23-28).

Claim 21 is met as previously discussed with respect to claim 20.

Claim 22 is met as previously discussed with respect to claim 20.

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Claim 23 is met as previously discussed with respect to claim 20.

Claim 24 is met as previously discussed with respect to claim 20.

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Ogura et al. (US Patent # 6,317,682) Radio information communicating system.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The Fax number is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or PUBLIC PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Electronic Business Center (EBC)** numbers at 866-217-9197 and 703-305-3028.

Alexander Boakye

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Patent Examiner

7/20/07

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